PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D	09	MAR	5006
1.			

WIPO

PC

••	ent sine reference	FOR FURTHER ACTI	ON	See Form PCT/IPEA/416
LUD 5826 PCT International application No.		International filing date (da	y/month/year)	Priority date (day/month/year)
	20 May 2003 (20 05 2003)		30 May 2003 (30.05.2003)	
International Pate	PCT/US04/16849 27 May 2004 (27.05.2004) 30 May 2005 (30.05.2005) International Patent Classification (IPC) or national classification and IPC			
	IPC(7): C12N 5/06; C07K 7/08, 14/435 and US C1.: 435/325; 530/312, 314			
Applicant				
LUDWIG INSTI	LUDWIG INSTITUTE OF CANCER RESEARCH			
1. This Exan	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.			
2. This	This REPORT consists of a total of \(\frac{1}{2} \) sheets, including this cover sheet.			t.
3. This	This report is also accompanied by ANNEXES, comprising:			
a. [ant and to the International		
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).			zed by this Authority (see Rule 70.16	
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			ation as filed, as indicated in item 4 of
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).				
4. This report contains indications relating to the following items:				
\boxtimes	Box No. I	Basis of the report		
	Box No. II	Priority		
		Non-establishment of opinicapplicability	on with regard to no	ovelty, inventive step and industrial
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under industrial applicability; cita	Article 35(2) with tions and explanation	h regard to novelty, inventive step or on supporting such statement
	Box No. VI	Certain documents cited		
	Box No. VII	Certain defects in the intern	national application	
	Box No. VIII	Certain observations on the	international applic	cation
Date of submission of the demand D		Date of completion	n of this report	
	04 (22.12.2004)		06 February 2006 (0	
Name and mailing address of the IPEA/ US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450		Anthorized officer F. Pierre Vander Ve		
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201 Telephone No. 571-272-1600		-272-1600		
Form PCT/IPEA/409 (cover sheet)(April 2005)				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/16849	

 With regard to the language, this report is based on:	Bo	x No.	I Basis of the report
a translation of the international application into English, which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished	1.	With	regard to the language, this report is based on:
purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished		\boxtimes	the international application in the language in which it was filed.
international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished			
international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): \[\text{\tex{\tex			
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): \[\text{\tex{\tex			publication of the international application (under Rule 12.4(a))
to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished			international preliminary examination (under Rules 55.2(a) and/or 55.3(a))
	2.	to the	receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not
		\boxtimes	the international application as originally filed/furnished
the description:		\boxtimes	
pages 1-20 as originally filed/furnished pages* NONE received by this Authority on			
pages* NONE received by this Authority on			
the claims:		\square	
pages 21 and 22 as originally filed/furnished			
pages* NONE as amended (together with any statement) under Article 19			pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on			
pages* NONE received by this Authority on			pages* NONE received by this Authority on
the drawings:			
pages NONE as originally filed/furnished			
pages* NONE received by this Authority on pages* NONE received by this Authority on received by the received b			
		K ZI	
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.			a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of	3.		The amendments have resulted in the cancellation of
the description, pages			the description, pages
the claims, Nos			
the drawings, sheets/figs			the drawings, sheets/figs
the sequence listing (specify):			the sequence listing (specify):
any table(s) related to the sequence listing (specify):			
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages			the description, pages
the claims, Nos			
the drawings, sheets/figs			
the sequence listing (specify):			
any table(s) related to the sequence listing (specify):			
* If item 4 applies, some or all of those sheets may be marked "superseded."	* 1	f item	4 applies, some or all of those sheets may be marked "superseded."

Form PCT/IPEA/409 (Box No. I) (April 2005)



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/16849

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims 1-13	YES	
, , ,	Claims NONE	NO	
Inventive Step (IS)	Claims 1-13	YES	
	Claims NONE	NO	
Industrial Applicability (IA)	Claims 1-13	YES	
	Claims NONE	NO	
Claims 1-13 meet the criteria set out in PCT Article of NY-ESO-1 or isolated T cells recognizing same. Claims 1-13 meet the criteria set out in PCT Article be made or used in industry.			

Form PCT/IPEA/409 (Box No. V) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International	application	No

	PC	J1/US04/16849		
Supplemental Box Relating to Sequence Listing				
Continuation of Box No. I, item 2:				
1. With regar	ard to any nucleotide and/or amino acid sequence disclosed in the interna , this report was established on the basis of:	ational application and necessary to the claimed		
a. type of	f material			
\boxtimes	a sequence listing			
	table(s) related to the sequence listing			
b. format	of material			
\boxtimes	on paper			
\boxtimes	in electronic form			
c. time of	f filing/furnishing			
\boxtimes	contained in the international application as filed	·		
\boxtimes	filed together with the international application in electronic form			
	furnished subsequently to this Authority for the purposes of search and	d/or examination		
	received by this Authority as an amendment* on			
file	2. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3. Additional	I comments:			
		•		

* If item 4 in Box No. I applies, the listing and/or table(s) related thereto, which form part of the basis of the report, may be marked "superseded."